



# › Allgemeines Physikalisches Kolloquium

› Donnerstag, 09.02.2017 um 16 Uhr c.t.

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## Particle Physics to Patients – developments of detectors and imaging methods for medical applications

Particle physics experiments are driving the development of new detectors which also can be employed for other fields like medical physics. The talk will address developments of such detectors and present examples of applications. Furthermore, new modalities for X-ray imaging will be discussed as phase-contrast and dark-field imaging using the grating-based Talbot-Lau-method. The new images deliver information that is not accessible with the standard X-ray absorption method. Examples from investigation in collaboration with the Medical Faculty will be presented.

